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(54) Title: A METHOD OF AND APPARATUS FOR FACILITATING PROCESSES OF MAMMALIAN CELLS

(57) Abstract: A method of facilitating processes of mammalian cells such as at least one of attachment, movement, growth, proliferation and differentiation comprises: supplying liquid comprising biologically compatible polymer to a liquid outlet in the vicinity of a surface and subjecting liquid issuing from the outlet to an electric field to cause the liquid to form polymer fibre which is attracted to and deposits onto the substrate to form a polymer fibre scaffold having fibre of a given diameter with gaps between adjacent fibre portions; and applying mammalian cells to the fibre scaffold, wherein the gaps between the fibre portions and the fibre diameter have a size relative to a diameter of the mammalian cells such that cells grow or elongate preferentially along the fibre of the fibre scaffold. Apparatus for enabling carrying out of such a method is also described.

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